

SEKINAYEVA, Nina Dzarakhovna; MEDVEDEVA, L.V., red.; SHIKIN, S.T., tekhn.  
red.

[Protection of the health of workers at enterprises] Okhrana zdorov'ia  
rabochikh na predpriatii. Moskva, Izd-vo VTsSPS Profizdat, 1961. 85 p.  
(MIRA 14:8)

1. Nachal'nik meditsinskoy sanitarnoy chasti moskovskogo Dorogomilov-  
skogo khimicheskogo zavoda imeni M. V. Frunze (for Sekinayeva)  
(INDUSTRIAL HYGIENE)

SEKINAYEVA, N.D., vrach

Let's think and search together. Zdorov'e 9 no.3123-24 Mr '63.  
(MIRA 16:5)  
(MOSCOW--MEDICINE, INDUSTRIAL)

Renovakov, S.I., SKIIR, V.I., inzh.

Proportioning the moisture in the sintering batch mixture.  
(MIRA 18:6)  
Metallurg. 10 no.6:11 Je '65.

I. Nachal'nik laboratorii avtomatizatsii Tsentral'noy laboratori  
avtomatizatsii i mekhanizatsii Yenskiyevskogo metallurgicheskogo  
zavoda (for Renovakov).

ARTYUKHOVA, N.N.; BREMER, L.F.; GRIGORENKO, A.S.; IFATOVA, M.S.;  
KAREV SHEVA, T.D.; KOZLOV, V.M.; KOLYSHEVA, L.I.;  
KUCHUMOVA, N.A.; MAKAROVA, M.Ye.; PUCHKOVA, N.A.;  
SEKIRINA, Ye.T.; SOKOLOVA, T.S.; STATIYEVA, V.F.;  
TYUNYAYEVA, V.V.; KHRAMTSOVA, A.A.; CHURAYEVA, V.V.;  
FOKIN, D.F., red.

[Foreign trade of the U.S.S.R. for 1959-1963; a statistical  
abstract] Vneshniaia torgovlia Soiuza SSR za 1959-1963 go-  
dy; statisticheskiy sbornik. Moskva, Vneshtorgizdat, 1965.  
(MIRA 18:7)  
483 p.

1. Russia (1923- U.S.S.R.) Ministerstvo vneshney torgovli.  
Planovo-ekonomicheskoye upravleniye. 2. Nachal'nik Planovo-  
ekonomicheskogo upravleniya Ministerstva vneshney torgovli  
SSSR (for Fokin).

~~SEVISOV, G.V., Cand.Tech.Sci—(disc) "Study of~~ <sup>the removal of peat by means of</sup>  
~~excavators and bulldozers in the~~ <sup>walking</sup> ~~mines~~ <sup>placer</sup> ~~utilizing~~  
~~natural thawing and success."~~ Nov, 1953. 13 pp  
~~(Min of Higher Education USSR. Kirov Inst of Non-Ferrous Metals and Gold~~  
~~im N.I.Malinin), 150 copies (KL,24-58, 120)~~

-63-

SEKISOV, G.V.

Determining the parameters of overburden stripping without transportation  
and with rock unloading and dump disposal on open-pit sides. Izv.  
Izv. AN Kir. SSR. Ser. i tekhn. nauk 2 no.8:63-75 '60.  
(MIRA 13:12)

(Strip mining)

SEKISOV, G.V.; MICHKAREV, V.P.

Calculating losses and depletions in the selective strip  
mining of complex nonferrous and rare metal ores. Izv. AN  
Kir. SSR. Ser. est. i tekhn. nauk 3 no.3:25-45 '61. (MIRA 15:3)  
(Mine examination) (Nonferrous metals)

SHESTAKOV, V.A.; SEKISOV, G.V.; BARANOV, Ye.G.

New method of determining the boundaries of open mining opera-  
tions. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 3 no.3:47-63  
'61. (MIRA 15:3)

(Strip mining)

~~SEKISOV~~ ANSKII, Anatoliy Timofeyevich; SEKISOV, Gennadiy Valentinovich;  
SELIKOV, V., red.; BEYSHENOV, A., tekhn.red.

[Improving the technology of the open-pit mining of ore  
deposits] Sovershenstvovanie tekhnologii otkrytoi razrabotki  
rudnykh mestorozhdenii. Frunze, Kirgizgosizdat, 1963. 48 p.  
(MIRA 17:2)

SEKISOV, Gennadiy Valentinovich; SHESTAKOV, V.A., zashl. tekhn.  
nauk, stv. red.

[Direct method of determining losses and depletion of ore  
in mining complex deposits (using the Khaydarken Mine as  
an example)] Fizamoi metod opredeleniya poter' i razubo-  
zhivaniia rudy pri razrabotke slozhnykh mestorozhdenii (na  
primere Khamidarkanskogo rудника). Frunze, Izd-vo "Ilim,"  
(MIRA 17:12)  
1964. 103 p.

SEKISTOV, V.A.

2

PHASE I BOOK EXPLOITATION SCV/5958

Shtoda, Andrey Vladimirovich, Docent, Candidate of Technical Sciences,  
Stepan Pavlovich Alekshanko, Aleksandr Yakovlevich Ivanov, Vsevolod  
Semenovich Krasavtsov, Fedor Nikolayovich Morozov, Viktor Anatol'yevich  
Sekistov, and Aleksandr Georgiyevich Shukov

Konstruktsiya aviatcionnykh gazoturbinnikh dvigateley (Construction of Aircraft  
Gas-Turbine Engines) Moscow, Voenizdat M-va obor. SSSR, 1961. 411 p.  
Errata slip inserted. No. of copies printed not given.

Ed.: D. A. Novak; Tech. Ed.: R. L. Solomonik.

PURPOSE: This textbook is intended for the engineering, technical, and flying  
personnel of the Soviet Air Force, Civil Air Fleet, and All-Union Voluntary  
Society for the Promotion of the Army, Aviation, and Navy. It may also be  
useful to students at aeronautical schools.

COVERAGE: General information on the construction of Soviet and non-Soviet  
aircraft gas-turbine engines is presented. Soviet engines considered are the

card 1/3

## Construction of Aircraft (Cont.)

SCV/5958

RD-10, RD-20, RD-500, RD-45, VR-1, AI-20, AM-3, and AM-5. The book was written as follows: Foreword, by A. V. Shtoda; Chs. I and VII, by A. G. Shliukov and V. S. Krasavtsev; Ch. II, by V. A. Sekistov; Ch. III, by S. P. Aleshchankov; Chs. IV and V, by F. N. Morozov; Ch. VI, by V. S. Krasavtsev; Ch. VIII, by A. V. Shtoda, V. A. Sekistov, and A. G. Shliukov; and Ch. IX, by A. Ya. Ivanov, all Docents and Candidates of Technical Sciences. The authors thank I. T. Donicov for his assistance. There are 44 references: 23 Soviet (including 2 translations), 17 English, 1 French, 1 German, and 2 unidentified.

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1. Axial-flow compressors	72
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SEKIVY, M.

Some practical and theoretical factors affecting the quality of  
defibered wood. p. 134.  
(PAPIR A CELULOSA, vol. 10, no. 7, July 1955, Praha)

SO: Monthly List of East European Accession,(EEAL), LC, Vol. 4,  
No. 11, Nov. 1955, Uncl.

Excerpta Medica 3/2 sec 16 Feb 55 Cancer

543. SEKLA B. and KREJCI E. Biol. úst. lékař. fak. K. U. Praze. Použití Brdičkovy polarografické reakce u experimentálních nádorů. (I. Brdičkův test při použití centrifugace) *Brdička's polarographic reaction in experimental tumours. I. The Brdička reaction combined with centrifugation* Cas. Lék. čes. 1954, 93/22-23 (630-631)

A micromethod of the well-known polarographic cancer test of Brdička was developed. 0.05 ml. blood taken from the tail vein of a rat was immediately denatured in 1 ml. 0.1 N-NaOH for 45 minutes at room temperature. Thereafter 1 ml. 5% sulphosalicylic acid was added and the mixture shaken vigorously. After exactly 10 minutes the fluid was centrifuged for 5 minutes, and 1 ml. was pipetted and polarographed in open vessels with 2 ml. of a solution consisting of 0.0015 M-Co<sup>+++</sup>, 0.1 N-NH<sub>4</sub>Cl, 1 N-NH<sub>4</sub>OH. Centrifugation has the advantage of avoiding the adsorption of active substances on the filter paper or glass filter which is apt to occur with the usual methods of filtration.

Jirovec - Prague

CZECHOSLOVAKIA/General Problems of Pathology - Tumors, Immunity. U-3

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75449

Author : Sekla, Bohumil; Bednar, Blahoslav; Holeckova, Enn

Inst : -  
Title : Resistance of Rats to Tumor Implantation and to Development of a Neoplasm Produced by a Chemical Carcinogen.

Orig Pub : Univ. carolina. Med., 1955, Suppl. No 1, 194-202

Abstract : Hybrid rats in which Walker tumor 256 does not take are relatively resistant also to the carcinogenic action of 3,4-benzpyrene: subcutaneous tumors were developed by them more slowly than by a line susceptible to Whister.  
-- K.P. Markuze.

Card 1/1

EXCERPTA MEDICA Sec 5 Vol. 10? Pathology JULY 57

1940. SEKLA B. and BARVIČ M. Biol. Inst., Med. Fac., Charles Univ., Prague.  
\*Passive transfer of a tumour-resistant agent by serum  
injections NATURE (Lond.) 1956, 187/4531 (497) Tables 2  
In two independent experiments marked growth inhibition of the Walker 256 tu-  
mour was attained in susceptible (Wistar) rats by intraperitoneal injections of  
'immune resistant serum' (taken from rats of a resistant strain after regression  
of the first implant of the same tumour and several further unsuccessful implant-  
ations). The same treatment with normal sera from rats of susceptible or re-  
sistant strains was without effect. It is concluded that rats of the resistant strain  
are capable, when implanted with the tumour, of developing a high degree of spe-  
cific antibody formation, and that these antibodies can be passively transferred  
by injection of their blood serum. (V, 16)

SEKLA, B.

HOLECKOVA, Ema; SEKLA, Bohumil

Growth inhibition of Walker 256 carcinoma in rats by injections of culture medium from explanted tumour-immune rat spleens. Neoplasma, Bratisl. 5 no.1:20-26 1958.

1. Laboratory of Physiology and Physiopathology of Metabolism, Czechoslovak Academy of Sciences, Prague. Department of General Biology, Faculty of Medicine, Charles' University, Prague. Authors' adress: Dr. E. Holeckova, Dr. B. Sekla, Lekarska fakulta Karlovy university, Ustav pro obecnou biologii, Praha 2, Albertov 4.

(NEOPLASMS, exper.  
Walker 256 carcinoma, growth inhib. by inject. of culture medium from in vivo immunized explanted rat spleens)

SEKLA, B.

Studies on tumor biology. Neoplasma, Bratisl. 7 no.1 suppl:11-13 '60.

(NEOPLASMS)

SEKLA, B.

Attempted immunotherapy of experimental tumors. Neoplasma, Bratisl.  
7 no.1 suppl:38-41 '60.

(NEOPLASMS IMMUNOL)

HOLESKOVA, E.; MOTLIKOVÁ, M.; SEKLA, B.; WAGNER, V.

The resistance of various strains of rats to Walker 256 tumor  
and serological responses to a single antigenic impulse.  
Neoplasma, Bratisl. 7 no.1 suppl:42-43 '60.

(NEOPLASMS immunol)

PLACER, Z.; SLABOCHOVA, Z.; ROUBAL, Z.; NOVAK, M.; HOLECKOVA, E.; SEKLA, B.

Serum esterase activity and mucoproteinemia in rats after the  
implantation of Walker 256 tumor. Neoplasma, Bratisl. 7 no.1  
suppl:44-46 '60.

(NEOPLASMS blood)  
(ESTERASES blood)  
(MUCOPROTEINS blood)

SEKLA, B.

Inheritance of radial and zero images in fingerprints. Acta chir.  
orthop.traum.cech. 28 no.3:179-184 Je '61.

1. Biologicky ustav lekarske fakulty KU v Praze.

(FINGERPRINTS genetics)

SEKLA, Bohumil  
SURNAME, Given Name

(1)

Country: Czechoslovakia

Academic Degrees: Prof, MD

Affiliation: Director of the Biological Institute of the Faculty of General Medicine, KU /Karlova universita; Charles University/ (Biologicky ustav fakulty vseobecneho lekarstvi KU), Prague.

Source: Prague, Prakticky Lekar, Vol 41, No 11, 1961, pp 483-486.

Data: "The Genetic Aspect of the Clifts of Lips and Palate."

77

SEKLA, B.; HOLECKOVA, E.; CHYTIL, F.

Heterologous lactoproteins and their effect on the growth of transplanted rat tumors. Acta univ. carol. [med.] Suppl. 14: 117-123 '61.

1. Biologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. B. Sekla Fysiologicky ustav CSAV.  
(PROTEINS pharmacol) (NEOPLASMS exper)  
(MILK chem)

HOLECKOVA, E.; JOHN, C.; CUMLIVSKI, B.; SEKLA, B.

Diathelic immunization of sheep against Brucella abortus. J. hyg. epidem. 6 no.2:206-211 '62.

1. Institute of Physiology, Czechoslovak Academy of Sciences; Institute of Microbiology, Medical Faculty, Charles University; Institute of Animal Husbandry, Czechoslovak Academy of Agriculture Sciences; Institute of Biology, Medical Faculty, Charles University, Prague.

(BRUCELLA ABORTUS immunol)

HOLECKOVA, Ema; SEKLA, Bohumil; CUMLIVSKI, Bohumil; KOUT, Miloslav;  
JANELE, Jiri

Cytotoxic effect of heterologous immune sera against human leukemia.  
Cas. lek. cesk. 101 no.36:1086-1090 7 S '62.

1. Fyziologicky ustav CSAV Praha, Biologicky ustav fakulty vseobecneho  
lekarshti KU Praha, Vyzkumny ustav zivocisne vyroby CSAZV Praha,  
Ustav hematologie a krevni transfuze, Praha, Fakultni nemocnice  
Praha-Vinohrady.

(IMMUNE SERUMS) (LEUKEMIA)

BAUDYSOVA, M. ; HOLECKOVA, E.; SEKLA, B.

The resistance of two lines of rats to tumour induction by  
3,4-benzpyrene. Neoplasma (Bratisl.) 11 no.3:293-298 '64

1. Institute of Physiology, Czechoslovak Academy of Sciences,  
Institute of Biology, Faculty of Medicine Charles University,  
Prague, Czechoslovakia.

KRAMEROVA, Z.; VOJTA, V.; CERNY, M.; SEKLA, B.; SOUKUP, F.

Congenital cerebellar hypoplasia with congenital heart defect and autosomal trisomy in monozygotic twins. Cesk. pediat. 18 no. 12:1096-1100 D'63.

1. IV. detska klinika fakulty vseobecneho lekarstvi KU v Praze (prednosta: prof. dr. F. Blazek); Neurologicka klinika fakulty vseobecneho lekarstvi KU v Praze (prednosta: akademik K. Henner) a Biologicky ustav fakulty vseobecneho lekarstvi KU z Praze (prednosta: prof. dr. B. Sekla).

\*

CERNA, M.; CERNY, M.; BARVIC, M.; SEKLA, B.

Dermatoglyphic examination of children with Down's disease in  
the ascending line. Acta univ. Carol. [med] (Praha): Suppl.  
18: 193-198 '64.

. Ustav obecne biologie fakulty vseobecneho lekarstvi Uni-  
versity Karlovy v Praze (prednosta: prof. dr. B. Sekla) a  
I. detska klinika fakulty detskeho lekarstvi University  
Karlovy v Praze (prednosta: prof. dr. J. Svejcar).

WAGNER, V.; HOMOLKOVÁ, E.; DALY, V.; HOLOKOVÁ, M.; SEKLA, B.

Reaction to *Brucella abortus* in rats resistant and susceptible  
to tumour homografts. *Nemrzáma* (Bratisl.) 12 no.1435-43 '65

I. Public Health Laboratory, Prague; Physiological Institute,  
Czechoslovak Academy of Sciences, Prague; Institute of Health  
Service Organization, Charles University, Prague; Department  
of Microbiology, Hospital Bulovka, Prague; Department of General  
Biology, Charles University, Prague, Czechoslovakia.

SEKLA, B., prof. dr.

The present status of clinical genetics and perspectives of its development. Acta univ. Carol. [med] (Praha): Suppl. 18: 83-89 '64.

1. Ustav obecne biologie fakulty všeobecného lekarství University Karlovy v Praze (prednosta: prof. dr. B. Sekla)

CZECHOSLOVAKIA

SELA, B., Prof. Dr.

Biological Institute of the Faculty of General Medicine  
of Charles University (Biologicky ustanov fakulty vse-  
obecneho lekarstvi KU), Prague

Prague, Vnitrní Lekarství, No 3, 1964, pp 740-744

"Fundamentals of Clinical Genetics and Future Trends."

SEKLAČEK, B.

Seklaček, B. "Light scattering; the determination of molecular weights and the size shape, and interaction of particles. Pt. 2. P. 908 ČASOPIS PRO PĚSTOVÁNÍ MATEMATIKY. CZECHOSLOVAK MATHEMATICAL JOURNAL. Vol. 47 No. 6 June 1953 Praha, Czechoslovakia.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L. C. Vol. 3 No. 1 Jan. '54 Uncl.

*SEKLACEK BOHUSLAV*

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their I-10  
Application. Fats and Oils. Waxes. Soap. Detergents.  
Flotation Reagents.

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2712

Author : Seklacek Bohuslav, Rybin Rudolf

Inst :

Title : Determination of Oxidation-Induced Changes in Animal Fats  
by the Colorimetric Method Using 2-Thiobarbituric Acid.

Orig Pub : Prumysl potravin, 1957, 8, No 1, 44-45

Abstract : A colorimetric method is proposed, in which 2-thiobarbituric acid is utilized, for the evaluation of the degree of freshness of fats. 5 g of fat are weighed out with an accuracy within 0.01 g and placed in a 500 ml flask into which are added 100 ml water and 5 ml 3N HCl. The flask is attached, by means of a ground glass joint, to a Liebig condenser and distillation is carried out. For the analysis are taken the first 25 ml of the distillate, which

Card 1/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001447620018-8

SEKLAK, J

"Mechanization of potato cultivation." (p. 384). ZA SOCIALISTICKE ZEMEDELSTVI (Minis-  
terstvo zemedelskychved) Praha, Vol 4, No 8, Apr 1954

SO: East European Accessions List, Vol 2, No 8, Aug 1954.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001447620018-8"

SEKMEDIN, I. D.

Valves

To conserve materials. Sakh.prom. 27, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. UNCLASSIFIED.

SEKORA, O.

One-hundred years of Slovak poetry. p. 1579.

LOOMING. (Eesti Kirjanike Liit) Tallin. Estonia.  
No. 10, Oct. 1959.

Monthly List of East European Acquisitions (EMAI) LC, Vol. 8, no. 12, Dec. 1959.

Incl.

SEKOVANOV, B. (Yaroslavl')

Reflex receiver set using three triodes. Radio no. 5:44-45 My '60.  
(MIRA 13:12)

(Radio--Receivers and reception)

SEKOWICZOWA, H.

"Notes on the Middle Triassic in the neighborhood of Radoszyce." p. 347

KWARTALNIK GEOLOGICZNY, (Instytut Geologiczny) Warszawa, Poland. Vol. 2, no. 2, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959

Uncl.

SEKOWSKA, O.

Distr: 4E2c(j),

✓ Determination of succinic, maleic, and fumaric acid in their mixture. 2. Belan and V. M. Gerasimov, Chem. Ind., 1963-01975. Det. these acids in their mixture potentiometrically by titrating their Na salts with  $\text{HClO}_4$  in aq  $\text{AcOH}$  soln. by using a glass and calomel electrode. Then det. the maleic (I) and fumaric (II) acids polarographically by using  $N\text{NH}_4\text{Cl}$  adjusted with  $\text{NH}_3$  to pH 8.2 as a buffer. The half-wave potential is 1.43 v. for I and 1.62 v. for II, with a Hg drop rate of 2.5 mg./sec. In case II is absent, or the sum of I and II has to be detd., the amt. of all acids is detd. potentiometrically, and I and II are detd. with  $\text{KMnO}_4$ .

L. G. Mandl

6  
2 MAY

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4/3  
XET

130. Simultaneous determination of diethyl ester of monoethylmalonic and diethylmalonic acids in commercial diethyl diethylmalonate. Z. Beden and B. Skowronski, Anal. Dept., Inst. of General Chem., Warsaw, Chem. Anal., Warsaw, 1951, 2 (1), 85-43.—The method depends on the different rates of hydrolysis of diethyl malonate (I), diethyl monooethylmalonate (II) and diethyl diethylmalonate (III) by alkali. I (in 1 g of III) is hydrolyzed by shaking for 5 min. with a 25% aq. KOH soln. (5 ml) and the excess of KOH is determined by titration with 0.5 N HCl, with phenolphthalein indicator. I and II (in 1 g of III) are hydrolyzed by shaking with *N* KOH soln. in *n*-butanol (10 ml) for 5 min. at room temp. and heating in a boiling-water bath for 2 min. The solid is cooled, acetone (5 ml) is added and the pptd. potassium salts of the two acids are filtered off, washed with acetone-*n*-butanol (1:1), dried at 150°, and weighed. The total esters (in 1 g of III) are determined by hydrolysis with 2 N KOH in

SEKOWSKA, B.; BELLEN, Z.

Determination of aldehydes by the argentometric method. 1. Determination of formaldehyde in technical urotropine. p. 25.

CHAMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelną Organicacją Techniczną) Warszawa, Poland. Vol. 4, No. 1/2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol 8, August 1959.  
Uncl.

BELLEN, Zygmunt; SEKOWSKA, Barbara

Simultaneous determination of acetaldehyde and paraldehyde. Chem  
anal 6 no.1:69-74 '61. (EEAI 10:7)

I. Struszynski Analytical Laboratory, Institute of General Chemistry,  
Warsaw.

(Acetaldehyde) (Paraldehyde)

BELLEN, Zygmunt; SEKOWSKA, Barbara

Argentometric determination of acetaldehyde in the presence of acetone. Chem anal 6 no.2:201-206 '61. (ZEAI 10:9)

1. Struszyński Analytical Department, Institute of General Chemistry, Warsaw.

(Acetaldehyde) (Acetone) (Argentometry)

SEKOWSKA, Janina

Multilocular cyst of the kidney. Urol. polska no.11:131-136 1957.

1. Z Kliniki Urologicznej w Krakowie Kierownik: prof. dr S. Iaskownicki.  
(KIDNEY, cysts  
multilocular cyst, case report (Pol))

SEKOWSKA, Janina

True hermaphroditism. Polski przegl. chir. 32 no.10:1029-1031 '60.

l. Z Kliniki Urologicznej A.M. w Krakowie Kierownik: prof. dr  
St. Laskownicki.

(HERMAPHRODITISM diag)

SEKOWSKA, Janina; GOLAJEWSKI, Andrezej

Primary cancer of a diverticulum of the female urethra. Polski  
przegl. chir. 33 no.11a:1470-1472 '61.

1. Z Kliniki Urologicznej AM w Krakowie Kierownik: prof. dr  
S.Laskownicki.  
(URETHRA neopl) (URETHRA dis)

SEKOWSKA

5

*✓* Simultaneous determination of diethyl esters of mono-  
ethylnalonic and diethylnalonic acids in commercial di-  
ethylnalonate. Z. Bilek and Z. Sekowska (Inst. Gen.  
Chem., Warsaw). *Chem. Anal.*, 51, 55-59 (1957) (English  
summary); cf. *Camus*, *C.A.*, 48, 1448; *Gyenes*, *C.A.*, 48,  
18906.—A method of detn. of di-Et esters of Et-C(=COOH)-CH<sub>2</sub>-COOH  
and Et<sub>2</sub>-C(=COOH)<sub>2</sub> in com. Et<sub>2</sub>-C(=COOEt)<sub>2</sub> (I) is described.  
It consists in hydrolysis of the sample by (a) 25% nq. soln.  
of KOH, (b) N KOH in anhyd. BuOH, and (c) 2N H<sub>2</sub>O-  
EtOH hot soln. of KOH. In (a) saponification of I only  
occurred; in (b) saponification of I and Et-C(=COOH)-  
COOEt occurred. With (c) the total content of esters can  
be detd. The compn. of the sample can be calcd. or read  
from the diagrams given. The accuracy of the method is  
±2%.  
*BM and*

7.7.1985

SEKOWSKI, A.

Made in Poland, p. 457, (WIEDZA I ZYCIE, Vol. 21, No. 7, July 1954,  
Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5  
May 1955, Uncl.

SKOWSKI, Róleslaw

Studies on the germination of pollen grain of apple varieties. Prace roln i leśn 18 no.2:97-127 '64.

1. Department of Forest Botany, College of Agriculture,  
Poznan.

TABLEAU, Jerzy; SEKOWSKI, Ignacy

Comparison of electrocardiographic results with clinical examination  
in cardiovascular diseases. Polski tygod. lek. 12 no.25:957-959 17  
June 57.

1. Z I kliniki Chorob Wewnętrznych A. M. w Krakowie: ~~Kierowski prof.~~  
dr. Leon Tochowicz. Adres: Krakow, Bronowice Małe ul. Przybyszewskiego  
36.

(CARDIOVASCULAR DISEASES, diagnosis,  
clin. methods, comparison with ECG (Pol))  
(ELECTROCARDIOGRAPHY,  
comparison with clin. diag. methods (Pol))

SISKOWSKI, Ignacy

Congenital defects of the heart with auricular communication. Polski  
tygod. lek. 14 no.40:1777-1786 5 Oct 59.

1. (Z I Kliniki Chorob Wewnetrznych A. M. w Krakowie; kierownik:  
prof. dr Leon Tochowicz i z Sully Hospital, Wielka Brytania; kierownicy:  
H. H. Foreman M.B.E., M.B., M.R.C.P., L.R., West M.B.E., M.B., M.R.C.P.)  
(HEART SEPTUM, abnorm.) (HEART DEFECTS CONGENITAL, compl.)

SERKOWSKI, R.

P O L .

Krzeszowski R., Sekowski K. Light Filters in Microphotography.  
Zastosowanie filtrów światłowych w mikrofotografii. (Prace Inst.  
Odl ewn. No. 1), Stalingród, 1953, PWT, 7 pp., 21 figs., 3 tabs.

The authors describe the experiments performed by them with a view to determining the suitability of filters in metallography. Achromatic lenses fitted with yellow filters used in conjunction with orthochromatic plates will meet the purpose in ordinary laboratory practice, particularly when making microphotographs of the structure of ferrous alloys. Subtle microphotography, however, and particularly in the case of non-ferrous alloys, requires apochromatic lenses supplemented by a set of filters and used with panchromatic plates. The use of filters makes it possible to detect in the micro-image all details of interest to the metallurgist.

BB  
64

SEKOWSKI, K.

K102

300.23.3.74

Rutkowski K., Sekowski K. The Relations between Chemical Composition, Structure and Mechanical Properties of Low-Copper Manganese Brasses.

"Zależność między składem chemicznym, strukturą i właściwościami mechanicznymi miskomiedziowych mosiądzów manganowych". (Prace Inst. Odlewn. No. 3), Warszawa, 1955, PWT, 12 pp., 21 figs., 9 tabs.

The possibility of limiting the use in copper alloys not only of deficit alloy components like Sn, Al, Be, Sb etc. but also of copper itself by the introduction of manganese brasses having very high properties and a wide range of uses even with copper content not exceeding 45%. By a systematic investigation of the relations between chemical composition, structure and properties of alloys in the range of 40 + 50% Cu, 40 + 60% Zn and 0 + 10% Mn contents, the most valuable chemical composition, structure and properties of a number of alloys were established as regards economy (minimum Cu) and range of uses (maximum properties). Lines for the development of further investigations are suggested.

of

POLAND/Chemical Technology - Chemical Products and Their  
Application - Synthetic Polymers. Plastics.

H.

Abs Jour : Ref Zbir - Khimiya, No 9, 1958, 30816

Author : Sckowski, St.

Inst :  
Title : 'Buna 32' A New Metal Binder.

Orig Pub : Wiedra i Zycie, 23, No 1, 33, 1956.

Abstract : A new butadiene base adhesive, 'Buna 32', has been developed in the German Peoples Republic for the bonding of metals (other than Cu) to other metals, to glass, and to ceramics by vulcanizing under low pressure at 110-150° for 10-15 min. The bonds are vibration-proof, resists temperatures of up to 120°, and have a strength of 60-170 kg/cm<sup>2</sup>.

Card 1/1

SKOWSKI, K.

Apparatus for testing structures in elevated temperatures. (To be contd.)  
Biuletyn. p.8. (Przeglad Odlewnictwa, Vol. 7, No. 3, Mar 1957, Krakow,  
Poland)

SS: Monthly List of East European Accessions (REAL) LC, Vol. 6, No. 8, Aug 1957. Umol.

SEKUNDKI, K.

Apparatus for testing structures in elevated temperatures. (Conclusion)  
Biuletyn. p. 11.

(PRZEGLAD GDŁEWNICTWA. Vol. 7, No. 5, May 1957. Warszawa, Poland)

SC: Monthly List of East European Accessions (EEAL )LC. Vol. 6, No. 10, October 1957. Uncl.

SAIA, Tadeusz, mgr., inz.; KLUSKA, S., mgr., inz.; SEKOWSKI, Kazimierz,  
mgr., inz.

From the activities of the Foundry Institute. Przegl odlew  
11 no.10:17-20 Biul Inform '61.

SEKOWSKI, Kazimierz, mgr., inz.

Classification of phosphorus eutectic in gray cast iron. Przegl odlew  
12 no.3:78-83 Mr '62.

SEKOWSKI, Kazimierz

Influence of the cooling rate and chemical composition of  
gray cast iron on the structure and distribution of the  
phosphide eutectic. Prace Inst odlew 12 no. 4: 263-291  
'62. [publ. '64].

SEKOWSKI, Kazimierz, mgr inż.

Microscopic observations of the commencement of gray castiron  
melting. Przegl odlew 12 no.11:337-341 N '62.

SEKOWSKI, Kazimierz, dr inz.

Correct preparation of metallographic specimens. Przegl odlew  
13 no.4:117-121 Ap '63.

SEKOWSKI, Kazimierz, dr. inż.

Distribution of phosphorus eutectic educts in gray cast iron.  
Przegl odlew 13 no. 8/9: Suppl.: Biul inf Inst odlew  
13 no. 9/10: 17-19 '63.

1. Instytut Odlewnictwa, Krakow.

SEKOWSKI, Kazimierz, dr inz.

Phosphorus eutectic in low-chromium cast iron. Przegl odlew  
13 no.7:Suppl:Biul inf inst odlew 13 no.7/8:14-15 '63.

1. Instytut Odlewnictwa, Krakow.

SEKOWSKI, Kazimierz, dr inz.

Influence of the carbon, silicon, and phosphorus content in  
gray cast iron on the structure of phosphorous eutectic.  
Przegl odlew 13 no. 11: Supplement: Biul inf inst odlew  
13 no. 11/12 24 '63.

SEKOWSKI, Kazimierz, dr inż.

Structure of phosphorous eutectic. Przegl odlew 13  
no. 5: Supplement: 13 no. 4/6: 9-11 '63.

SEKOWSKI, Kazimiera, dr inż.

Influence of the cooling rate of castings and the chemical composition of cast iron on the structure and distribution of phosphorus eutectic. Przegl. mech. 22 no. 24:768 D'63.

SEKOWSKI, Kazimierz

Microsegregation of sulfides in gray cast iron. Przegl  
odlew 14 no. 1:5-9 Ja '64.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001447620018-8

SEKOWSKI, Kazimierz

Microhardness measurements of cementite in cast iron. Przegl  
odlew 14 no.3 77-83 Mr'64

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001447620018-8"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001447620018-8

SEKOWSKI, Kazimierz

Cell-like structure of cast iron. Przegl odlew 14 no. 5:137-  
142 My '64.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001447620018-8"

SEKOWSKI, Kazimierz

Concept of grain size in gray cast iron. Przegl odlew 14  
no.10:285-287 O '64.

SEKOWSKI, S.

SEKOWSKI, S; HULANICKI, A.

"WRiting chemical formulae." p. 24  
(Horyzonty Techniki, Vol 6 No 1 Jan 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Unclassified

SEKOWSKI, S.

Sekowski, S.; Mulanicki, A.  
"More about ions", p. 547 (Horyzonty Techniki, Vol. 6, no. 12, Dec. 1953. Warszawa)

SO: Monthly List of East European Accessions, / Library of Congress, March 1954, Uncl.  
Vol. 3, No. 3

SEKOWSKI, S.

Wizow produces sulfuric acid. p. 446, (WIEDZA I ZYCLE, Vol. 21, No. 7, July 1954  
Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5  
May 1955, Uncl.

SEKOLISKI, S.

A few words about Filip Walter, an unknown Polish organic chemist. p. 177.

CHMIEŁ, Katowice, Vol. 8, no. 6, June 1955.

SO: Monthly List of East European Acquisitions, (EAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

SKVARCHENKO, V.R.; LIN VEYEN-LYAN'; SEDYKH, N.V.; LEVINA, R.Ya.

Aromatic hydrocarbons. Part 23: Biphenyls. Zhur. ob. khim. 32 no.1:  
217-222 Ja '62. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet.  
(Biphenyl)

ACCESSION NR: AT4033982

S/0000/63/000/000/0037/0041

AUTHOR: Bogdanov, M. N.; Kalmykova, V. D.; Mandrosova, F. M.; Zhmayeva, I. V.; Okranchedidze, N. P.; Sedykh, N. V.

TITLE: Synthesis and properties of fiber-forming polyalkyleneterephthalamides

SOURCE: Geterotseptyra vysokomolekulyarnyye soyedineniya (Heterochain macro-molecular compounds); sbornik statey. Moscow, izd-vo "Nauka," 1963, 37-41

TOPIC TAGS: synthetic fiber, artificial silk, terephthalic acid, terephthalamide, polyalkylene terephthalamide, Alpha Omega diamine, Kapron

ABSTRACT: A large number of polyamides based on terephthalic acid and unbranched  $\text{N},\omega$ -diamines with 8-10 methylene groups in the chain were synthesized and investigated with respect to their thermomechanical properties. The methods and conditions of synthesis are described. Effective additives were the aromatic hydroxy compounds, such as the isomers of hydroxyphenyl- and hydroxydiphenylmethane, which in an amount of 30-50% gave spinnable high-molecular-weight polyamides resistant to crystallization up to 320-340°C. These are very suitable for spinning high-melting fibers. The limiting temperature of crystallization for polyamides from various terephthalates decreased to 280°C or below. The synthesized polyamides were high-melting, strong, white substances, soluble only in concentrated

Card 1/2

ACCESSION NR: AT4033582

H<sub>2</sub>SO<sub>4</sub>. The thermal stability of the resulting fibers was tested by strength loss at 140°C. A comparison of the thermodynamic curves of synthesized high-melting monofilaments and polycaproamide filaments showed that the differences in the relative variation of fiber length during heating are relatively small and the maximum difference in the temperature of incipient deformation does not exceed 40°C. Fibers made from polyalkyleneterephthalamide, regardless of the much higher melting point, differ only slightly in thermal stability from Kapron fiber. The conditions of preparation and the properties (viscosity, melting points) of various polyalkyleneterephthalamides as well as the spinning conditions and fiber properties (strength, etc.) are tabulated. Orig. art. has: 1 figure and 3 tables.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (All-Union Scientific Research Institute of Synthetic Fibers)

SUBMITTED: 15May62

DATE ACQ: 30Apr64

ENCL: 00

SUB CODE: OC, MT

NO REF Sov: 005

OTHER: 014

Card 2/2

ROSENBLAT, M.A., SEDYKH, O.A.

Electric Resistors

Electric properties and use of carborundum resistors. Avtom. i telem. 12 No. 4 (1951)

9. Monthly List of Russian Accessions, Library of Congress, August 1952, 1951, Unclassified.

Sedykh, O. A.  
USSR/Electricity - Regulation, magnetic amplifiers

FD-1669

Card 1/2      Pub. 10-5/11

Author : Vasil'yeva, N. P., and Sedykh, O. A. (Moscow)

Title : Calculation of choke magnetic amplifiers with complex load

Periodical : Avtom. i telem., Vol. 16, 47-63, Jan-Feb 1955

Abstract : The authors propose a method for calculating magnetic choke amplifiers that permit one to determine all the parameters of an amplifier for minimum dimensions or weight of the amplifier. The initial data in the calculations are maximum power and load cosine, current multiplication and coefficient of amplification at maximum signal. Curves are presented showing the specific volumes as functions of the intensity of the maximum submagnetizing field. Six references: M. A. Rozenblat, Magnitnyye usiliteli (Magnetic Amplifiers), State Power Press, 1949. A. M. Ryvkin, "Amplitude method of calculation of choke saturation," Elektrichestvo, No 8, 1950. M. N. Cubanov "Determination of the optimum dimensions of the core and the number of turns of regulating chokes," Avtom. i telem., No 1, 1954. D. I. Mar'yanovskiy and I. A. Kazantseva, "Simplified calculation of choke saturation," Elektrichestvo, No 3, 1951. I. D. Pashentsev, "Approximate calculation of magnetic amplifiers," Sbornik Trudov LETIZhT (Symposium of Works of the Leningrad Electrical Engineering Institute of Railroad Transportation), No 4,

FD 1669

Card 2/2

1952. A. S. Bogoslovskiy, "Graphical method of analyzing and calculating  
ferromagnetic power amplifiers," Elektrichestvo, No 10, 1950.

Institution : --

Submitted : May 7, 1954

Sedykh, O. A.

184. CALCULATION OF MAGNETIC AMPLIFIERS WITH  
TOROIDAL CORES. O.A.Sedykh

Avtomat. i. Telemekh., Vol. 17, No. 6, 445-50 (1965). In  
Russian.

The optimum core dimensions and winding parameters of  
magnetic amplifiers with toroidal cores for maximum am-  
plification factor are calculated. Possible deviations from  
the optimum characteristics in the case of the use of magnetic  
materials of standardized sizes are estimated. The theory  
of magnetic amplifier calculation based on the condition of  
minimum weight or size for a required loading, ratio of  
current variation and power amplification factor is presented.  
Electrical Research Association

Elec

11.8

Sedykh, O. A.

AUTHORS: Vasil'yeva, N. P., Sedykh, O. A. (Moscow) 103-11-10/10

TITLE: The Calculation of Magnetic Amplifiers for a Given Feed  
Voltage (Raschet magnitnykh usilitelyei pri zadannom napryazhenii  
pitaniya).

PERIODICAL: Avtomatika i Telemekhanika, 1957, Vol. 18, Nr 11, pp. 1052-1060  
(USSR)

ABSTRACT: It is shown that, with given feed voltages and load voltages, the amplifier volume is proportional to the ratio between the feed voltage and the load voltage with an unchanged magnetic mode of operation. Formulae are derived and data are given on the strength of which selection between the optimum computed amplifier with a single adaption transformer and an amplifier calculated for the given field voltage can be made. It is shown that in amplifiers with a feedback which are destined for an increased feed voltage, the steel volume, and therefore also the weight and the dimensions increase less than in the case of amplifiers without feedback. There is 1 table, 5 figures, and 3 Slavic references.

SUBMITTED: April 18, 1957

AVAILABLE: Library of Congress  
Card 1/1

SOV/28-58-6-9/34

AUTHORS: Rozenblat, M.A., Professor, Doctor of Technical Sciences, and Sedykh, O.A., Engineer

TITLE: The Principles of Forming Series of Toroidal Cores for Magnetic Amplifiers (Printsipy postroyeniya ryadov toroidal'nykh serdechnikov diya magnitnykh usiliteley)

PERIODICAL: Standartizatsiya, 1958, ^Nr 6, pp 37-42 (USSR)

ABSTRACT: In automation and telemechanics, magnetic amplifiers and non-contact magnetic elements with rectangular hysteresis loop and high magnetic penetration are used. The production of the cores of these magnets is not centralized, and the sizes differ in the various plants. A series of cores is proposed here which satisfy all the needs of the industry, make maximum use of the magnetic properties, are of light weight, etc. There are three groups of amplifiers according to their use:  
1) small-power amplifiers with high sensitivity

Card 1/3

SCV/28-58-6-9/34

The Principles of Forming Series of Toroidal Cores for Magnetic Amplifiers

for which, weight, efficiency factor, etc. are of minor importance; 2) medium power amplifiers for which the economic factor determining the relations between output, cost, weight, size, etc. is most important; 3) high-power amplifiers for which maximum power, limited only by the heat development in the windings, is important. The selection of the correct values for the inner diameter of the cores (Table 4), their height, outer diameter, the minimum series (Table 5) and maximum series (Table 6) is demonstrated by formulae and tables. Table 6 shows the range in which the dimensions for a new core may be selected.

Card 2/3

SOV/28-58-6-9/34

The Principles of Forming Series of Toroidal Cores for Magnetic Amplifiers

There are 2 graphs and 6 tables.

ASSOCIATION: Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automatization and Telemechanics)

Card 3/3

SEDYKH, O. A., Candidate of Tech Sci (diss) -- "Problems of the selection of optimal design parameters for magnetic amplifiers". Moscow, 1959, published by the Acad Sci USSR. 13 pp (Acad Sci USSR, Inst of Automatics and Telemechanics), 175 copies (KL, No 23, 1959, 168)

SEDYKH, O.A.  
8(2,3)

## PHASE I BOOK EXPLOITATION

SOV/1950

Vasil'yeva, Nataliya Petrovna, Ol'ga Alekseyevna Sedykh, and Mikhail  
Aleksandrovich Boyarchenkov

Proyektirovaniye magnitnykh usilitelyey (Design of Magnetic Amplifiers)  
Moscow, Gosenergoizdat, 1959. 335 p. 25,000 copies printed.

Ed.: I.I. Mednikova; Tech. Ed.: K.P. Voronin.

PURPOSE: This book is intended for engineers working in the field  
of industrial automation. It may also be used as a textbook by  
students specializing in automatic control, electric drives, etc.

COVERAGE: The authors present the fundamentals of design of magnetic  
power amplifiers for a given maximum load power, load impedance,  
power amplification coefficient and variation of the load current.  
They emphasize size, weight and cost in designing an amplifier for  
a given power and maximum overheating of windings. They also dis-  
cuss the technology of manufacturing magnetic amplifiers. If the  
book is used as a reference book in designing amplifiers no spe-

Card 1/7

## Design of Magnetic Amplifiers

SOV/1950

cial knowledge of the theory of magnetic amplifiers is needed. Fundamental principles discussed in the book are based on the modern theory of magnetic amplifiers. The theoretical part of the book is based on the work of N.P. Vasil'yeva and O.A. Sedykh. Chapters 1, 2, 3, 4, 5, 6 and Section 1 of Chapter 9 were written by N.P. Vasil'yeva; Chapters 8 and 11 by N.P. Vasil'yeva and O.A. Sedykh; Section 2 of Chapter 9 by N.P. Vasil'yeva and M.A. Boyarchenkov; Chapter 7 by O.A. Sedykh; and Chapter 10 and Part II by M.A. Boyarchenkov. The authors thank I.B. Negnevitskiy and B.I. Filipovich for reviewing the text. There are 44 references: 37 Soviet (including 1 translation), 6 English and 1 German.

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## Design of Magnetic Amplifiers

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AVAILABLE: Library of Congress

Card 7/7

JP/bg  
8-28-59

83769  
S/103/62/023/001/007/014  
D201/D304

9,5400 (1161,1147)

AUTHORS: Matorina, V.S., and Sedykh, O.A. (Moscow)

TITLE: Analysis of operation and design of a shorted winding magnetic time-delay circuit

PERIODICAL: Avtomatika i telemekhanika, v. 23, no. 1, 1962, 64-76

TEXT: The authors attempted to analyze the operation of a shorted winding magnetic time-delay circuit on the basis of voltage pulse integration properties of a magnetic core. The time-delay circuit consists of two cores. The cores are magnetized by the supply voltage pulses  $u_s$ , applied in turn to the working windings  $w_p$  of each core. Each magnetizing voltage pulse is  $n \sim$  times less than the voltage  $u_g$  required for full reversal of the core magnetic field polarity. The demagnetizing pulse is a pulse induced in a given core by the shorted winding from the other core circuit. The bias  $\Delta H$  is determined by the field intensity produced by the difference in the ampere turns of the control  $H_y$  and bias winding  $H_b$ . The pulses of the output voltage are obtained owing to the feedback winding  $w_{fb}$ . The

Card 1/2

33769

S/103/62/023/001/007/014  
D201/D304

Analysis of operation and design... delay time is determined by the number of periods required for the magnetic field polarity reversal and their repetition period  $t = n/f$ , which actually is that of the supply frequency. The results of the design of the delay circuit, neglecting the effect of bias and control windings, show the following: The delay time is inversely proportional to the resistance of the shorted winding; it increases with increasing  $n_{\sim}$ , so does the stability with respect to the supply voltage fluctuations. If the effect of the control and bias winding is taken into effect, the time delay of a practical circuit is somewhat larger than that of theoretical, due to the non-ideal shape of the rectangular hysteresis loop. In practice the design requires identical cores and several assumptions, simplifying the tie-up between the input and output parameters of the circuit. As an example the design and design procedure is given for a time delay circuit, operating at  $f = 400$  c/s and having the following parameters: Delay  $t = 9$  sec., half-period load power 135 mW, load  $R_L = 360$  ohms  $U_A = 11$  V(r.m.s.). There are 8 figures, 1 table and 4 Soviet-bloc references.

SUBMITTED: March 1, 1961  
Card 2/2

VASIL'YEVA, N. P.; SEDYKH, O. A.

The EIM-400 magnetic logical units for automatic control.  
Priborostroenie no. 4:14-16 Ap '64. (MIRA 17:5)

L 58847-65

ACCESSION NR: AP5014004

UR/0119/65/000/005/0023/0025  
681.142.67:003.1.

4B

AUTHOR: Yefimov, Ye. I. (Engineer); Sedykh, O. A. (Candidate of technical sciences)

TITLE: Estimating the economic effect of using ELM magnetic logical elements

SOURCE: Priborostroyeniye, no. 5, 1965, 23-25

TOPIC TAGS: magnetic logical element / ELM magnetic logical element

ABSTRACT: These ELM elements have been produced by Soviet industry: AND, OR, NOT, Storage, and Delay. The authors estimate economic expedience of replacing the conventional contact-type relays by the above contactless elements, in automatic-control systems. The first cost, energy-consumption cost, maintenance cost, and the losses caused by failure of one element are evaluated; the latter item is determined by comparing the reliabilities of the relays and contactless elements. As a result, a curve of equal costs of both variants has been plotted which shows the zones of preferential use of relays or contactless elements depending on the frequency of operations and life of equipment. Orig. art. has: 4 figures, 6 formulas, and 1 table.

Card 1/2

L 58847-65

ACCESSION NR: AP5014004

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 005

ENCL: 00

OTHER: 000

SUB CODE: DP, EC

*[Signature]*  
John  
Carroll

L 63227-65

ACCESSION NR: AP5015909

UR/0103/65/026/006/1067/1073  
621.374.335

3  
B

AUTHOR: Vasil'yeva, N. P. (Moscow); Matorina, V. S. (Moscow);  
Petrukhin, B. P. (Moscow); Prokhorov, N. L. (Moscow); Sedykh, O. A.  
(Moscow); Germ, E. I. (Moscow)

TITLE: Regions of mutually stable characteristics of logical elements and the  
problems of their design

SOURCE: Avtomatika i telemekhanika, v. 26, no. 6, 1965, 1067-1073

TOPIC TAGS: logical element, logical element stability, logical element design

ABSTRACT: There are two types of the "transfer" (input/output in relative units)  
characteristic of logical elements: the repeater type and the inverter type. The  
functional stability of both types, defined as the absence of an undesirable  
transition from 1 to 0 or from 0 to 1, is considered. On the basis of input signals  
and noise immunity, boundaries of regions are established within which all

Card 1/2